

# **WARRANTS FOR CHECKLIST FOR APPLYING STOP SIGN THE INSTALLATION OF MULTI-WAY STOP CONTROL**

Traffic Volumes for any 8 hours of an average day

Street Name	Hr 1	Hr 2	Hr 3	Hr 4	Hr 5	Hr 6	Hr 7	Hr 8	Total
Major									
Minor									

Average 8-hour volume entering the intersection [Major +Minor] /8 = \_\_\_\_\_

Average 8-hour volume entering from minor street [Minor] /8 = \_\_\_\_\_

Accidents	1	2	3	4
Type				
Date				

**High Volume Streets** (over 4,000 vehicles per day) yes/no

1. Minimum Traffic Volumes

a. Average 8 consecutive-hour volume greater than 450 yes/no

b. Combined vehicle and pedestrian volume from side street  
average at least 150 for the same 8-hour period yes/no

c. 85% speed greater than 40 MPH yes/no

If yes, minimum volume requirement is 70% of above

70% volume satisfied yes/no

**a & b satisfied** yes/no

2. Accidents

Four accidents within a 12-month period susceptible of correction  
by a multi-way STOP

Four or more accidents yes/no

3. Visibility

The stopping sight distance on the approaches to a  
major street is less than recommended for the given design  
speed. The design speed shall be considered to be the posted  
speed plus 10-mph. yes/no

**Warrant Satisfied** (at least 2 of 3 conditions are satisfied) **yes/no**

**Moderate Volume Streets** (4,000 or less vehicles per day) yes/no

Multi-way STOP control may be considered if any 2 of the following 4 conditions exist:

1. Minimum Traffic Volumes

a. Average 8-hour volume greater than 300-vph yes/no

b. Combined vehicle and pedestrian volume from side street average at least 100 for the same 8-hour period yes/no

c. Use 60% of volume criteria if **all** of the following are met:

Both roadways have residential frontage with 25 MPH speed limits yes/no

Neither Streets exceeds 40 feet of roadway width yes/no

No STOP control or signal on major roadway with a distance of 800 feet yes/no

Intersecting roadways extend 800 feet or more away from the intersection yes/no

Intersection has 25 or more school age children crossing on an average day yes/no

>if yes, is 60% volume criteria satisfied yes/no

Minimum Volume satisfied (both a & b or c only) yes/no

2. Accidents

Four accidents within a 12-month period susceptible of correction by a Multi-way STOP

Four or more accidents yes/no

3. Visibility

The straight line of sight distance from the major roadway on one or more approaches for vehicles or pedestrians is less than 250 feet yes/no

4. Speed

Average speed for the approaches to the intersection exceed 30 MPH yes/no

**Warrant Satisfied** (at least 2 of the 4 conditions are satisfied) yes/no